

SERMATECH INTERNATIONAL INCORPORATED

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SermaBond 487 Part 1
Manufacturer's Name: Sermatech International Incorporated
Address: 159 South Limerick Road, Royersford, Pa 19468
Business Telephone #: 610-474-1200
Emergency Telephone #: (USA)800-424-9300 (Chemtec) (INTERNATIONAL) 1-703-527-3887
MSDS Issue Date: 10/31/05
Prepared By: KEVIN EDDINGER, QA Chemist

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Table with 7 columns: INGREDIENT, CAS #, WT%, ACGIH-TWA, EXPOSURE GUIDELINES (OSHA-PEL, EH40), SEC 313. Rows include Alkali Silicate and Water.

SECTION 3 - HAZARD IDENTIFICATION

HAZARD OVERVIEW
Irritation to eyes and respiratory system.
Harmful if swallowed.
May cause irritation or sensitization by skin contact

Potential Health Effects

- EYE: May cause irritation
SKIN: Prolonged or repeated skin contact may cause irritation.
INGESTION: May be harmful if swallowed.
INHALATION: Irritation may result from inhalation of atomized coating.
CHRONIC (CANCER) INFORMATION: Not considered carcinogenic.
TERATOLOGY (BIRTH DEFECTS) INFORMATION: None
REPRODUCTION INFORMATION: No Information

SECTION 4 - FIRST AID MEASURES

- EYES: Flush with water for 15 minutes. If irritation persists, get medical attention.
SKIN: Immediately flush skin with water, remove contaminated clothing and wash before reuse.
INGESTION: Rinse mouth thoroughly with water. Do not induce vomiting. Obtain medical attention.
INHALATION: Remove victim to fresh air. Obtain medical attention.

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SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: None

METHOD: Not applicable

FLAMMABLE LIMITS:

Lower flammable limit: Unknown

Upper flammable limit: Unknown

HAZARDOUS DECOMPOSITION PRODUCTS: Direct contact with strong acids may product hydrogen gas.

EXTINGUISHING MEDIA: Carbon dioxide, sand, dry chemical.

FIRE FIGHTING INSTRUCTIONS: Not applicable.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb onto sand or other inert absorbent. Flush spill area with excess water.

LARGE SPILL: N/A

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SECTION 7 - HANDLING AND STORAGE

HANDLING: Use with adequate ventilation. Do not get on skin and clothing.

STORAGE: Shelf life is six months from ship date. Store inside original containers.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: For spray booth application, booth should have minimum air flow at 150 ft/min.

RESPIRATORY PROTECTION: Use approved respirator for spray application.

SKIN PROTECTION: Wear gloves and other suitable protective clothing.

EYE PROTECTION: Wear approved glasses or goggles.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (MM Hg): 23.7

Vapor Density (Air=1): 0.7 (water vapor)

Evaporation Rate (H2O=1): 1

Appearance/Odor: Clear to slightly cloudy odorless liquid

Solubility In Water: Complete

Specific Gravity: 1.22 – 1.28

VOC Content: None

pH: 10-12

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SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: (CONDITIONS TO AVOID) Stable.

INCOMPATIBILITY: Contact with acids will gel the binder.

HAZARDOUS DECOMPOSITION PRODUCTS: Will not occur.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION 11 - TOXICOLOGICAL INFORMATION

SKIN: No specific information available. Ingredients are not considered toxic.

INGESTION: No specific information available. Ingredients are not considered toxic.

INHALATION: No specific information available. Ingredients are not considered toxic.

CHRONIC/CARCINOGENICITY: No ingredients are considered carcinogenic by OSHA, ACGIH, IARC, NTP.

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SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data.

CHEMICAL FATE INFORMATION: No data.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations.

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SECTION 14 - TRANSPORT INFORMATION

Proper shipping Name: Non-hazardous high temperature coating.

Hazard Rating (DOT Class): Not restricted.

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SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

OSHA: This product is considered hazardous per OSHA Hazard Communication Rule, 29CFR 1910.1200

SECTION 313: HAZARDOUS INGREDIENTS IDENTIFIED IN THE SEC 313 COLUMN OF SECTION 1 ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

TOXIC SUBSTANCES CONTROL ACT (TSCA): The ingredient of this product are all on the TSCA Inventory List.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Not Regulated.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All ingredients of this product are on the Domestic Substance List (DSL) and acceptable for use under the provisions of CEPA.

UK CLASSIFICATION FOR SUPPLY: No ingredients classified as dangerous.

R36/37: Irritating to eyes and respiratory system

S24/25: Avoid contact with skin and eyes

SECTION 16 - OTHER INFORMATION

SermaBond 487 Part 1 is an air dry, aqueous alkali, silicate based coating. When mixed with 487 Part 2, an air-setting, silicon carbide containing cement is obtained.

HMIS RATINGS:

	Health	Flammability	Reactivity	
	1	0	0	
0=Minimal	1=Slight	2=Moderate	3=Serious	4=Severe

This information is furnished without warranty, expressed or implied; except that it is accurate to the best knowledge of Sermatech Intl. Inc. The above data relates only to the product listed.

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